

Message Text

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PAGE 01 ISLAMA 03748 081405 Z

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ACTION SCI-06

INFO OCT-01 IO-12 NEA-10 ADP-00 AEC-11 ACDA-19 CIAE-00

INR-10 L-03 NSAE-00 NSC-10 RSC-01 GAC-01 SCEM-02

RSR-01 /087 W

----- 004510

R 081132 Z MAY 73

FM AMEMBASSY ISLAMABAD

TO SECSTATE WASHDC 9133

INFO IAEA VIENNA 73

AMCONSUL KARACHI

UNCLAS ISLAMABAD 3748

E. O. 11652: N/ A

TAGS: TECH, PK

SUBJ: HEAVY WATER FOR KANUPP POWER REACTOR

REF: A) STATE 057106, B) ISLAMABAD 2632

DEPARTMENT REQUESTED TO FORWARD FOLLOWING LETTER DATED MAY 7, 1973 FROM MR. MUNIR KHAN, CHAIRMAN, PAKISTAN ATOMIC ENERGY COMMISSION TO DR. A. S. FRIEDMAN, DIRECTOR, DIVISION OF INTERNATIONAL PROGRAMS, USAEC. THIS LETTER CONTAINS A FORMAL REQUEST FOR HEAVY WATER IN ACCORDANCE WITH INSTRUCTIONS OUTLINED REF A, AND IS BEING CABLED AT MUNIR KHAN' S REQUEST FOR EXPEDITIOUS ACTION. ORIGINAL LETTER FOLLOWS BY POUCH.

QUOTE. DEAR ABE:

SUB: SUPPLY OF HEAVY WATTER FOR KANUPP.

I THANK YOK FOR YOUR LETTER RECEIVED VIA THE U. S. EMBASSY IN ISLAMABAD REGARDING THE POSSIBILITY OF OBTAINING 10 TONS OF HEAVY WATER FOR KANUPP. I AM GRATEFUL TO YOU THAT IN SPITE OF THE TIGHT SITUATION REGARDING THE SUPPLY OF HEAVY WATER, YOU HAVE KINDLY AGREED TO PLACE ON YOUR PRIORITY LIST OUR REQUEST FOR THIS RELATIVELY SMALL QUANTITY WHICH IS SO ESSENTIAL FOR THE CONTINUING OPERATION OF KANUPP.

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OUR ANALYSIS OF THE REQUIREMENTS FOR KANUPP INDICATES THAT DURING 1973-74 WE SHALL REQUIRE A MINIMUM OF 15 TONS. THE AVERAGE SYSTEM LOSSES AT KANUPP AMOUNT TO ABOUT 5 TONS PER YEAR AT AN AVERAGE RATE OF 30 LBS. PER DAY. THEREFORE, THE MAKE UP REQUIREMENTS FOR 1973-74 ARE ABOUT 10 TONS. IN ADDITION, WE REQUIRE A MINIMUM OF 5 TONS ON HAND TO PROTECT OURSELVES AGAINST UNFORESEEN LOSSES AND SPILLAGE. AS IN THE CASE OF ANY OTHER HEAVY WATER REACTOR, SUCH LOSSES HAVE OCCURRED AT KANUPP AND COULD RE- OCCUR AT ANY TIME IN THE FUTURE. CURRENTLY WE ARE OPERATING THE PLANT BY DEPLETING OUR SMALL RESERVES AT THE RATE OF 1200 LBS. PER MONTH. THE PRESENT D2O STOCK IS EXPECTED TO EXHAUST BY THE END OF AUGUST 1973 AFTER WHICH THE PLANT IS THREATENED WITH THE SHUTDOWN FOR LACK OF HEAVY WATER AT SITE.

UNDER THESE CIRCUMSTANCES, WE ARE REQUESTING CANADA TO URGENTLY SUPPLY US WITH 5 TONS OF HEAVY WATER, PART OF WHICH WILL HAVE TO BE FLOWN BY AIR SO AS TO REACH KARACHI BY EARLY AUGUST. KNOWING THE SITUATION IN CANADA WE CANNOT EXPECT THEM TO SPARE 15 TONS THAT IS WHY WE HAVE TURNED TO USAEC FOR THE EXTRA 10 TONS.

OUR EXPERIENCE INDICATES THAT IT NORMALLY TAKES 6 MONTHS FOR SHIPMENT OF HEAVY WATER FROM USA OR CANADA TO REACH KARACHI BY SEA. THEREFORE, IN ORDER TO AVOID AIR- FREIGHT CHARGES IT IS MOST DESIRABLE THAT THE HEAVY WATER BE SHIPPED FROM THE USA NOT LATER THAN JULY THIS YEAR SO AS TO REACH US BY THE END OF THE YEAR OR EARLY 1974. I HOPE THAT IT WILL BE POSSIBLE FOR YOU TO COMPLETE THE NECESSARY FORMALITIES SO THAT APPROVAL CAN BE OBTAINED FOR THIS SHIPMENT IN TIME.

I WOULD BE MOST GRATEFUL IF YOU COULD KINDLY LET ME HAVE THE CURRENT USAEC PRICE FOR HEAVY WATER AS WELL AS THE QUALITY OF THE AVAILABLE STOCK IN TERMS OF TRITIUM CONTENT.

WITH BEST REGARDS, YOUR SINCERELY, (MUNIR AHMAD KHAN)
END QUOTE.
SOBER

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NMAFVVZCZ

*** Current Handling Restrictions *** n/a
*** Current Classification *** UNCLASSIFIED
@@@OASYS@@@<CONCATENATED>

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*** Current Handling Restrictions *** n/a

*** Current Classification *** UNCLASSIFIED

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Decaption Note:
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Disposition Approved on Date:
Disposition Authority: n/a
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 JAN 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
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Drafter: n/a
Enclosure: n/a
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Review Action: RELEASED, APPROVED
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Review Event:
Review Exemptions: n/a
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30 JUN 2005

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Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
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Status: <DBA CORRECTED> mcm 971219
Subject: HEAVY WATER FOR KANUPP POWER REACTOR
TAGS: TECH, PK
To: IAEA VIENNA
KARACHI
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SECSTATE WASHDC
Type: TE
Markings: Declassified/Released US Department of State EO Systematic Review 30 JUN 2005